

User Exits

This section describes the user exits available with the Natural application shell. With these user exits, standard functionality can be adapted to the requirements of your environment.

- Initializing Access Protection
 - Initializing Application-Specific Data
 - Default Start-up Processing
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Initializing Access Protection

Description

This user exit sets up the desired access protection for the application. As a result of the access verification, the initialization of the command data is dependent upon the setting in the user exit.

In addition, this user exit can determine whether the object types `Z_APPLICATION`, `Z_COMMAND`, `Z_FUNCTION` and `Z_OBJECTTYPE` are individually verified through the system set up.

In this case, the user exit is called for each object type. The individual verification can be coded in the corresponding `DECIDE` statements. Response code `PZ_RSP` determines whether or not the object type is accepted in the initialization data.

Subprogram: `ZXUSEC0N`

Parameter: `ZXUSEC0A`

Parameters

Input/Output	Parameter Variable	Description
Input	PZ_USER_ID	User ID
Input	PZ_OBJ_TYPE	Type of object
Output	PZ_SECURITY	0 - Application without access protection 1 - Application with access protection
Output	PZ_SECURITY_DEFAULT	0 - Default is disallowed 1 - Default is allowed
Input	PZ_CLIENT_ID	Client ID of current application
Input	PZ_CMD_ID	Command ID to be verified
Input	PZ_CMD_TYPE	Type of command to be verified
Input	PZ_CMD_PARM	Parameter of command to be verified
Input	PZ_APPL_ID	Application ID to be verified
Input	PZ_OBJ_ID	Object ID to be verified
Input	PZ_FCT_ID	Function ID to be verified
Output	PZ_CHECK_CMD	0 - Commands not individually verified 1 - Commands individually verified
Output	PZ_CHECK_APPL	0 - Applications not individually verified 1 - Applications individually verified
Output	PZ_CHECK_OBJ	0 - Object types not individually verified 1 - Object types individually verified
Output	PZ_CHECK_FCT	0 - Functions not individually verified 1 - Functions individually verified
Output	PZ_RSP	0 - Objects allowed 1 - Objects disallowed

Initializing Application-Specific Data

Description

This user exit initializes the application-specific data in LDA ZXXGLOBL. It is here that the user environment LZ_GLOB_DATA_CUSTOM is initialized. Additionally, one can, for example, determine whether or not the icon-based navigation is started and with which application.

Subprogram: ZXUPROFN

Parameter: ZXUPROFA

Parameter

Input/Output	Parameter Variable	Description
Input/Output	PZ_PROF_DATA	Profile data

When this user exit is started, the data from PZ_PROF_DATA is transferred to the variables of the LDA ZXXGLOBL. Before this user exit terminates, the data is returned to PZ_PROF_DATA.

Default Start-up Processing

Description

This user exit executes an application-specific Start Processing. It is here, for example, that the first standard dialog is opened.

External Subroutine: ZXUINITs

Parameter: ZXUINITA

Parameter

Input/Output	Parameter Variable	Description
Input	PZ_RECEIVE	Standard PDA ZXXREC0A

When this user exit is run, parameter PZ_RECEIVE is copied in the group PZ_LOCAL. The variables for group PZ_RECEIVE must not be modified.